

Loblolly Pine at Garland Gray Forestry Center

Equipment used: J. E. Love 8 row lifting machine and packing trailer
Ford 7710 tractor to pull lifting machine
2 Tractors with transport wagons

Lifting crew will usually consist of 5 people total. Four on the packing trailer (1 raker & 3 packers), 1 person on the transport wagon.

Trees are lifted out of the ground by the machine to the raker. The raker rakes the trees from the lifting belts and puts a small bundle of trees on the conveyor. The packers take seedlings from the conveyor and places them root to root in canvas wrappers. When the wrapper is full, they close the wrapper and tightly strap, so that no trees can be pulled from the bundle. Any loose trees or exposed roots, from the ends of the bundles, are removed and placed in the next bundle. The bundle is then placed on another conveyor and sent to the transport wagon.

The transport wagon follows the lifting machine. When the bundle is at the end of the conveyor, the person on the wagon places the bundles into boxes (6 bundles/box) or on racks (15 bundle/rack). The wagon driver will deliver the trees to the grading station when the wagon is full.

Lifting Hardwoods at Augusta Forestry Center

The Contractor will provide approximately 4 - 12 employees that will assist lifting hardwood seedlings. VDOF will provide a Fobro Lifting Machine, tractors, wagons, canvas, lifting trailer and operators. The Fobro Lifting Machine uses a blade that goes underneath the seedlings and causes them to be lifted out of the soil onto the top of the ground. The Contractor's crew will pick the seedlings up off the ground, shake excess soil from the roots and place them in canvas wrappers either on the ground or on the lifting trailer. The seedlings will be placed on the wrappers with the roots in the middle and the tops sticking out of the ends. The wrappers will then be strapped in a timely manner to prevent the roots from drying out.

A minimum of 6 of the contractor's employees will be required when doing this job.

Lifting White Pine at Augusta Forestry Center

Equipment Used: Ford Tractor 7710
Fobro HD Lifter or Fobro LD Lifter or Lundeby Lifter or DOF Combine
Tractor with Packing Trailer
Tractor with transport wagon
Lifting Speed: 10-18 feet per minute

Lifting crew usually consists of 6 to 8 people (6 minimum), 2 people on the packing trailer and 3 people on the ground and 1 person to carry the bundles to the transport wagon and pick up loose seedlings.

The people on the ground take the lifted trees to the packing trailer.

People on the packing trailer take the trees and place them root-to-root in canvas wrappers. When the wrapper is full, they close the wrapper and tightly strap, so that no trees can be pulled from the bundle. Any loose trees or exposed roots, from the ends of the bundles, are removed and placed in the next bundle. The bundle is then laid on the packing trailer next to the transport wagon.

The transport wagon has four pallets. The bundles are then placed, by one person, on the pallets. The bundles are stack 3 layers high with 6 to a layer. Sometimes boxes are used on the transport wagons. The person stacking in the boxes will then place 6 bundles per box.

If lifting with DOF combines a minimum of 6 people is needed. The combine is hooked to the back end of a Fobro lifter. The combine has fingers that then lift the seedlings up to a level where packing takes place. The bundles are then moved to the transport wagon. The combine is only used in good weather conditions.

The Contract administrator or his/her representative will decide:

- Seed lot to lift
- Species to lift
- Amount of trees to lift
- Proper weather conditions for lifting

NO LIFTING WILL BE DONE WHEN THE AIR TEMPERATURE IS BELOW ZERO DEGREES CELSIUS OR THE GROUND IS FROZEN.

Department of Forestry will furnish all tractor operators and repair all equipment.